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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

<b>Application Number</b>	10/086,862		
	<b>Filing Date</b>	March 4, 2002	
	<b>First Named Inventor</b>	Xuesong Chen	
	<b>Art Unit</b>	1745	
	<b>Examiner Name</b>	Raymond Alejandro	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b>	9351-97

### ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): <b>(1) Certificate of Correction Request; and (2) Certificate of Correction.</b>
<b>Remarks</b>		

Certificate  
OCT 28 2004

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

<b>Firm or Individual name</b>	H. Samuel Frost Registration No. 31,696 Bereskin & Parr
<b>Signature</b>	
<b>Date</b>	October 22, 2004

### CERTIFICATE OF TRANSMISSION/MAILING

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Patent No. : 6,790,546 B2  
Issued : September 14, 2004  
Appl. No : 10/086,862  
Applicant : Chen et al.  
Filed : March 4, 2002  
Title : CATALYTIC HUMIDIFIER AND HEATER  
FOR THE FUEL STREAM OF A FUEL CELL  
TC./A.U. : 1745  
Examiner : RAYMOND ALEJANDRO  
  
Docket No. : 9351-97  
Customer No. : 001059



Honorable Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

### CERTIFICATE OF CORRECTION REQUEST

Please correct the above-identified patent as follows:

#### Amendments to the Claims:

Please amend claim 1 as follows:

1. A method of operating a fuel cell system comprising a plurality of fuel cells, each fuel cell comprising a fuel inlet for a fuel, an anode having a catalyst associated therewith for producing cations from the fuel, a fuel manifold connected between the fuel inlet and the anode for distributing the fuel to the anode, an oxidant inlet means for supplying oxidant, a cathode having a catalyst associated therewith and connected to the oxidant inlet means for producing anions from the oxidant, said anions reacting with said cations to form water on said cathode and an ion exchange membrane disposed between the anode and the cathode, for facilitating migration of cations from the anode

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to the cathode, while isolating the fuel and oxidant from one another, the method comprising

(a) supplying one part of the oxidant to the oxidant inlet means ~~an~~ of the fuel cells for reaction to generate electrical power and heat;

(b) providing a catalytic reactor for promoting reaction of the fuel and the oxidant, supplying the fuel to the catalytic reactor and supplying another part of the oxidant to the catalytic reactor in an amount less than the stoichiometric amount required for the combustion of the fuel supplied to the catalytic reactor, to ensure complete consumption of the other part the oxidant, thereby generating a flow of heated and humidified fuel;

(c) supplying the heated and humidified fuel to the fuel inlets of the fuel cells, for reaction with said one part of the oxidant to generate electricity and heat; and

(d) supplying the fuel and the other part of the oxidant to the catalytic reactor, prior to supply thereof to the fuel cells.

#### **REMARKS/ARGUMENTS**

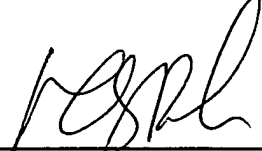
The applicant submits that the error in claim 1 was corrected in the Office Action response dated February 12, 2004, but not entered by your office.

A Certificate of Correction is being filed concurrently herewith.

Applicant requests that a timely Certificate of Correction be issued in this case.

Respectfully submitted,

BERESKIN & PARR

By 

H. Samuel Frost  
Reg. No. 31,696  
Tel: 416-957-1687

Attachments

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,790,546 *B2*

DATED : September 14, 2004

INVENTOR(S) : Xuesong Chen et al.

It is certified that error appears in the above-identified patent and that said Letters Patent  
are hereby corrected as shown below:

At column 7, line 66, delete "an".

MAILING ADDRESS OF SENDER: Bereskin & Parr  
Box 401, 40 King Street West  
Toronto, Ontario M5H 3Y2 Canada

PATENT NO. 6,790,546

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